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FIG. 1A

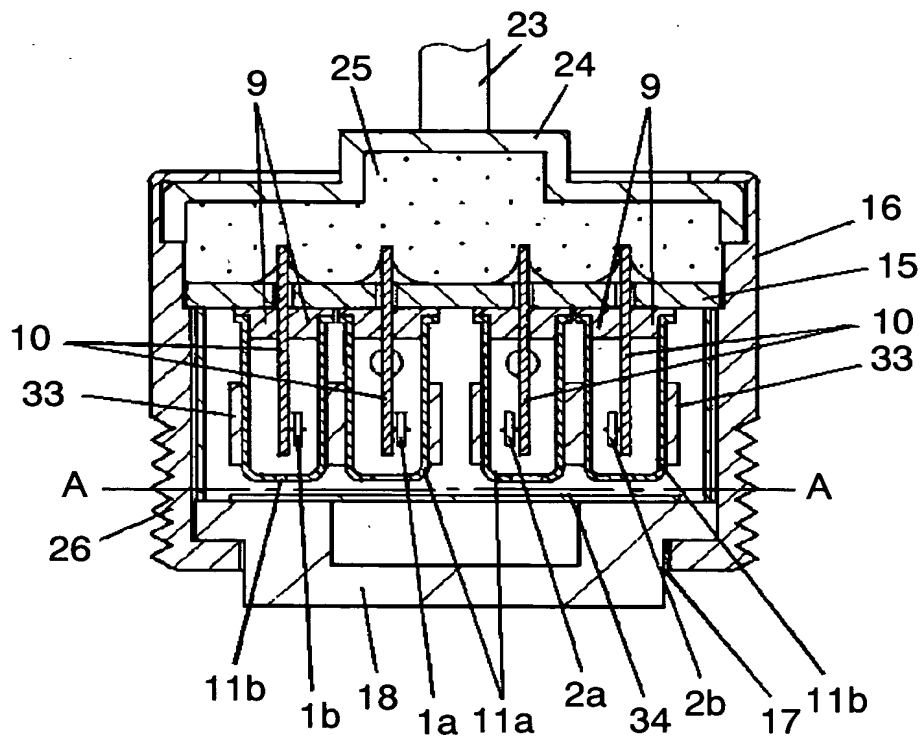
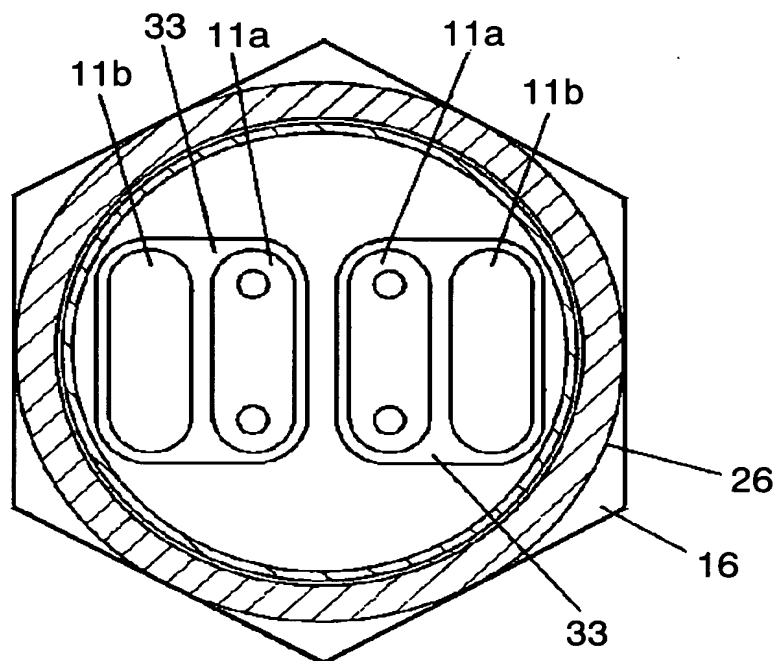


FIG. 1B



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FIG. 2

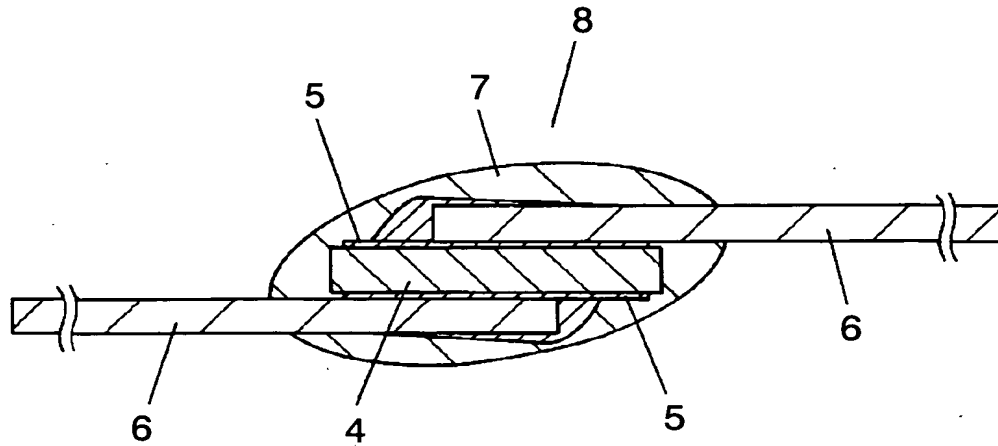
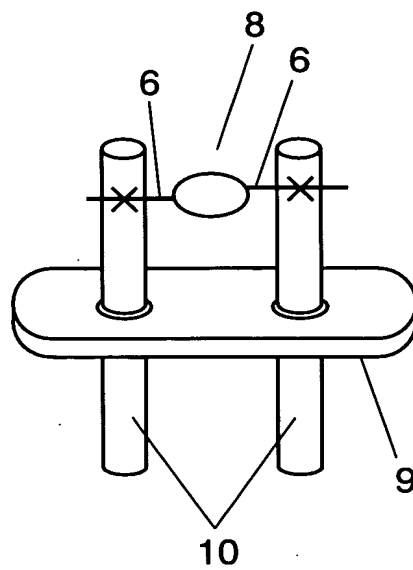
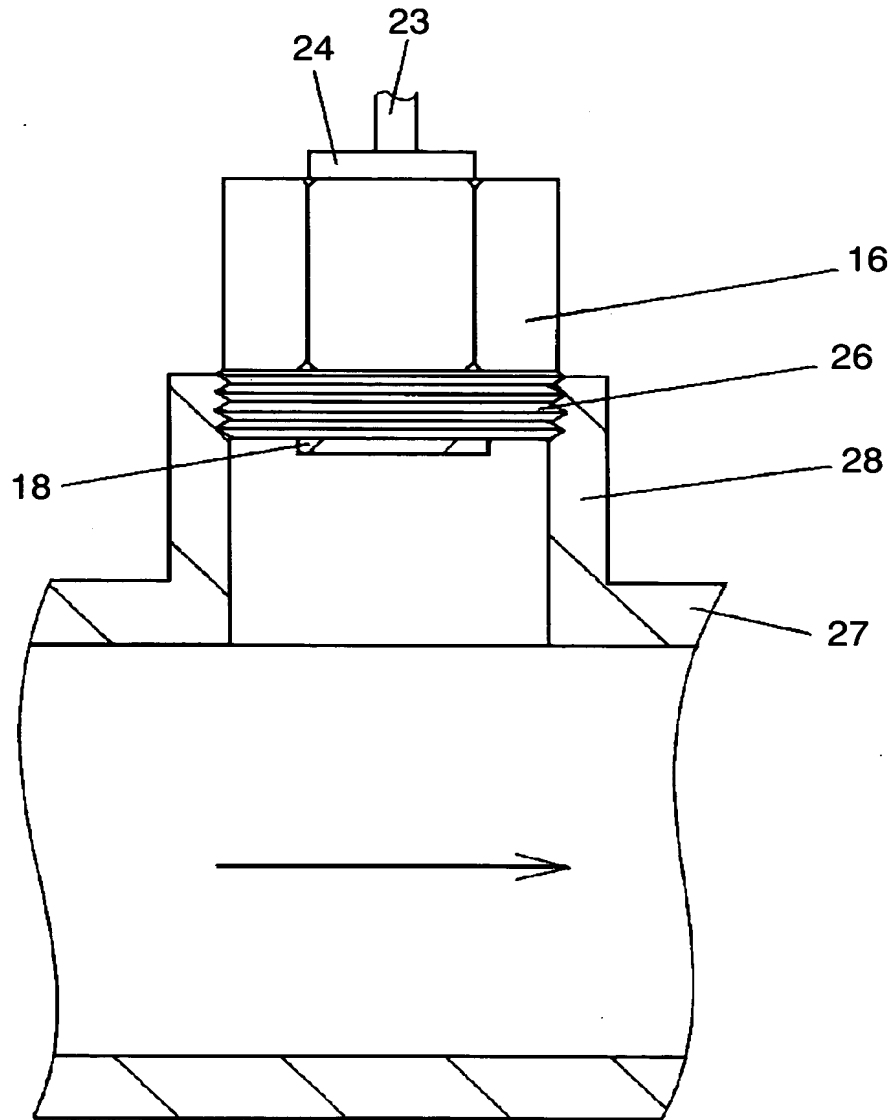


FIG. 3

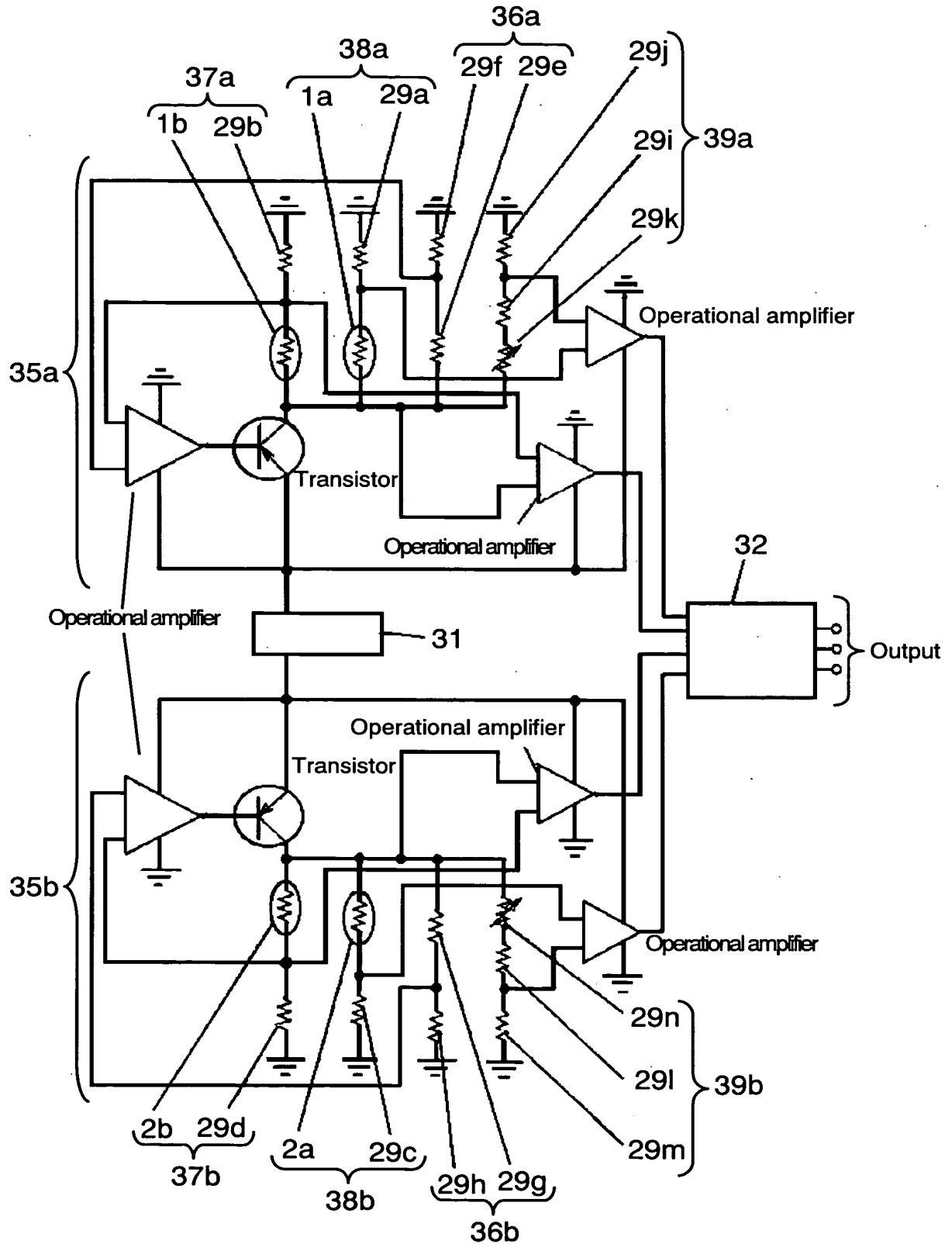


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FIG. 4



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FIG. 5



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FIG. 6A

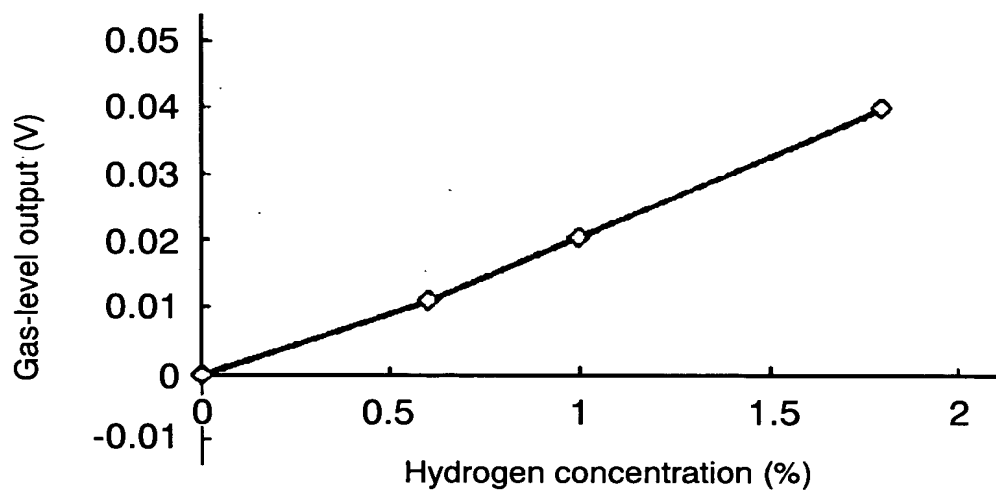
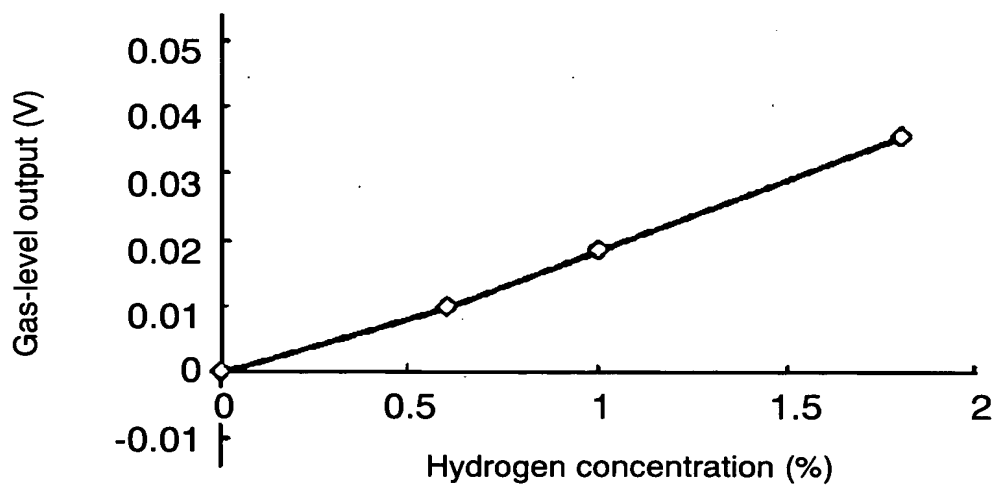
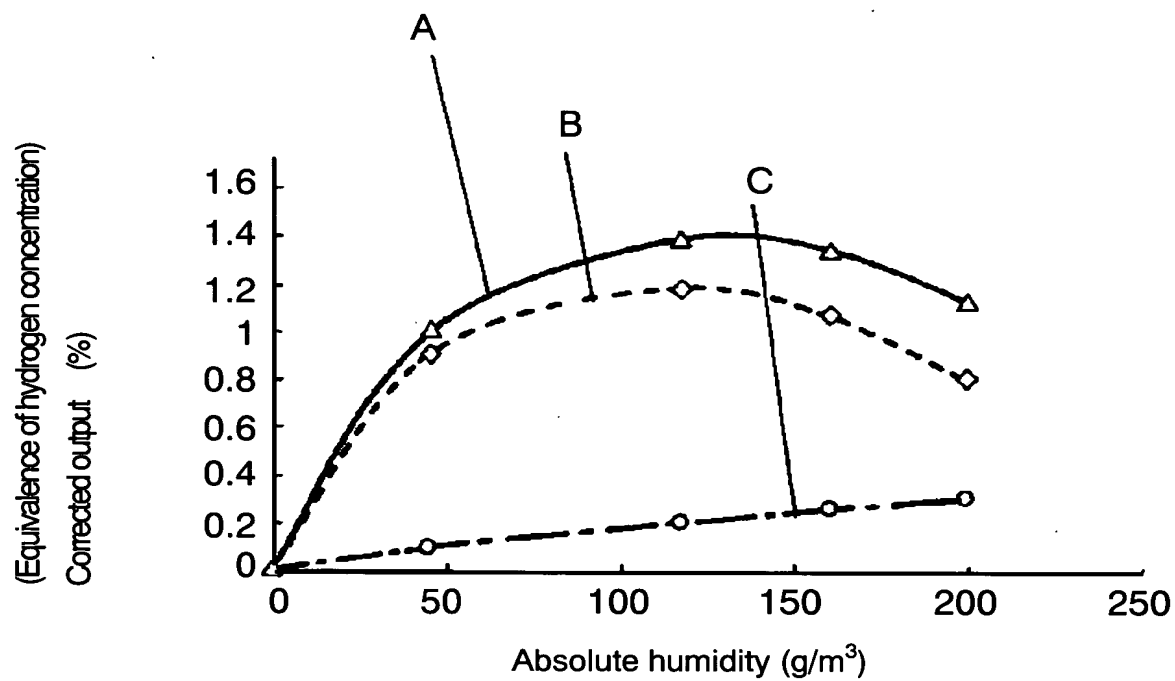


FIG. 6B



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FIG. 7



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FIG. 8A

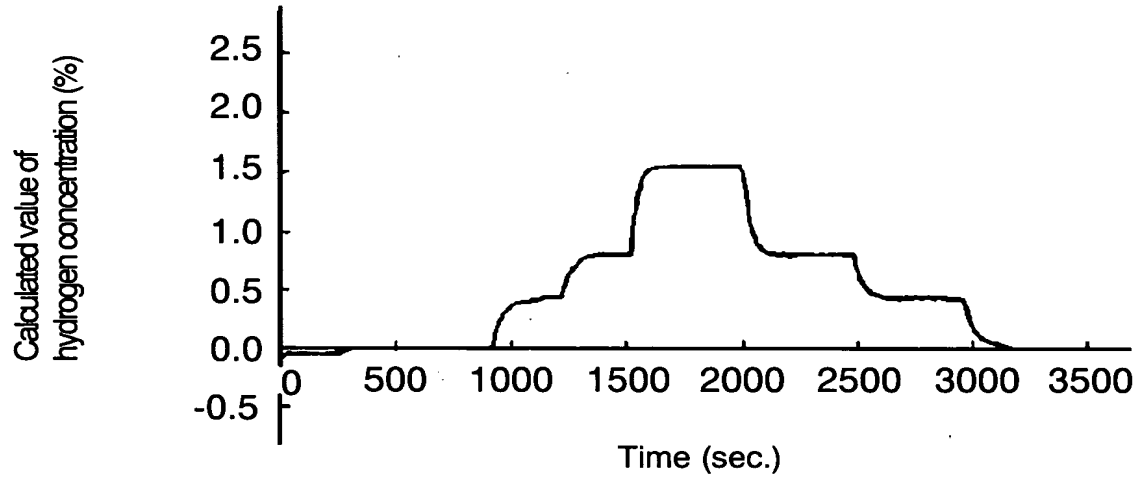
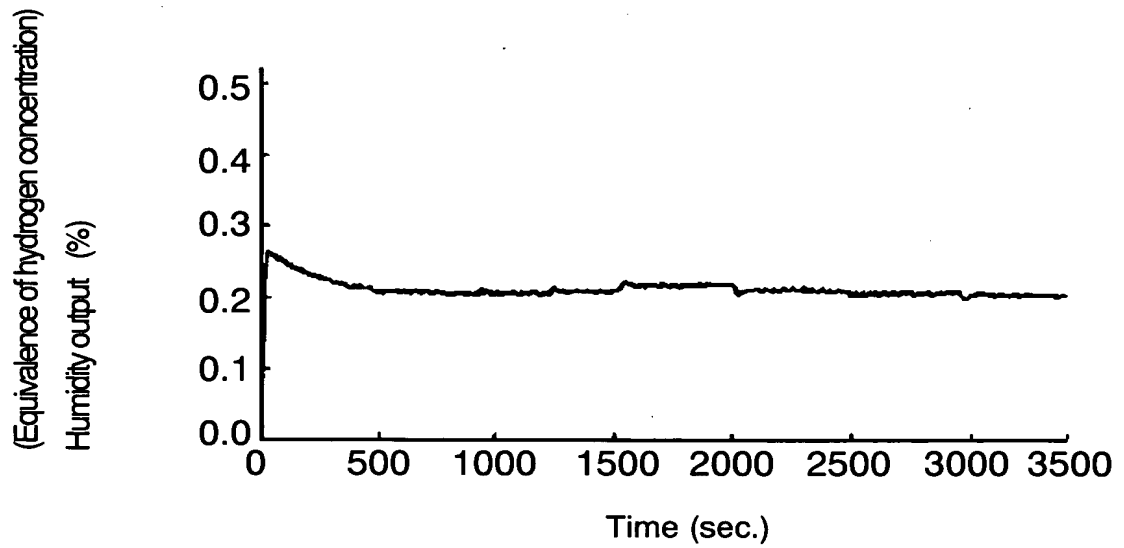


FIG. 8B



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FIG. 9A

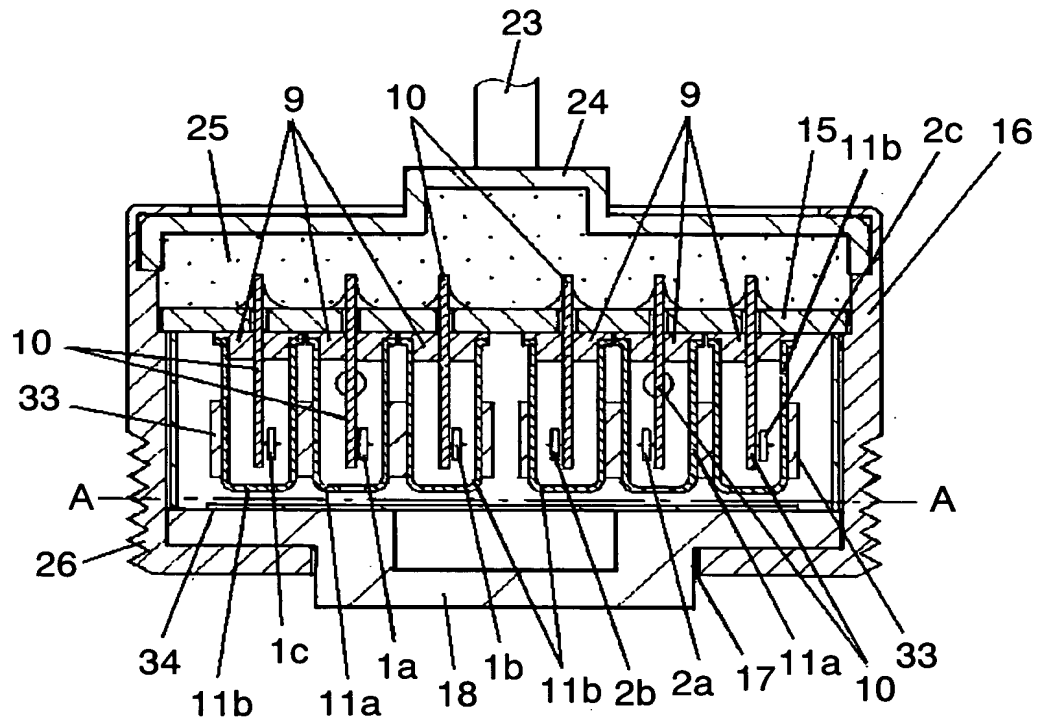
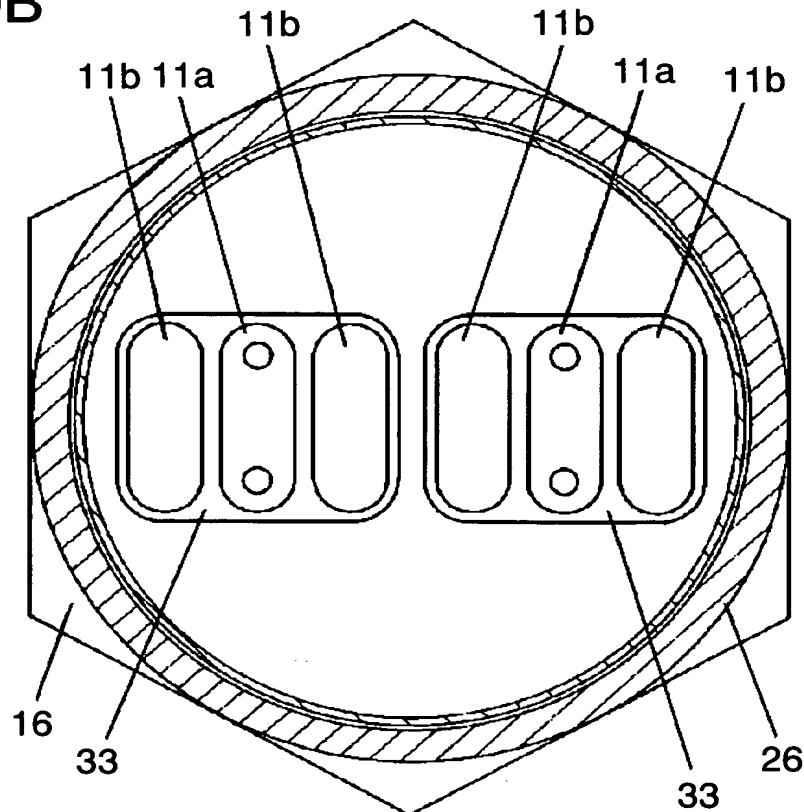
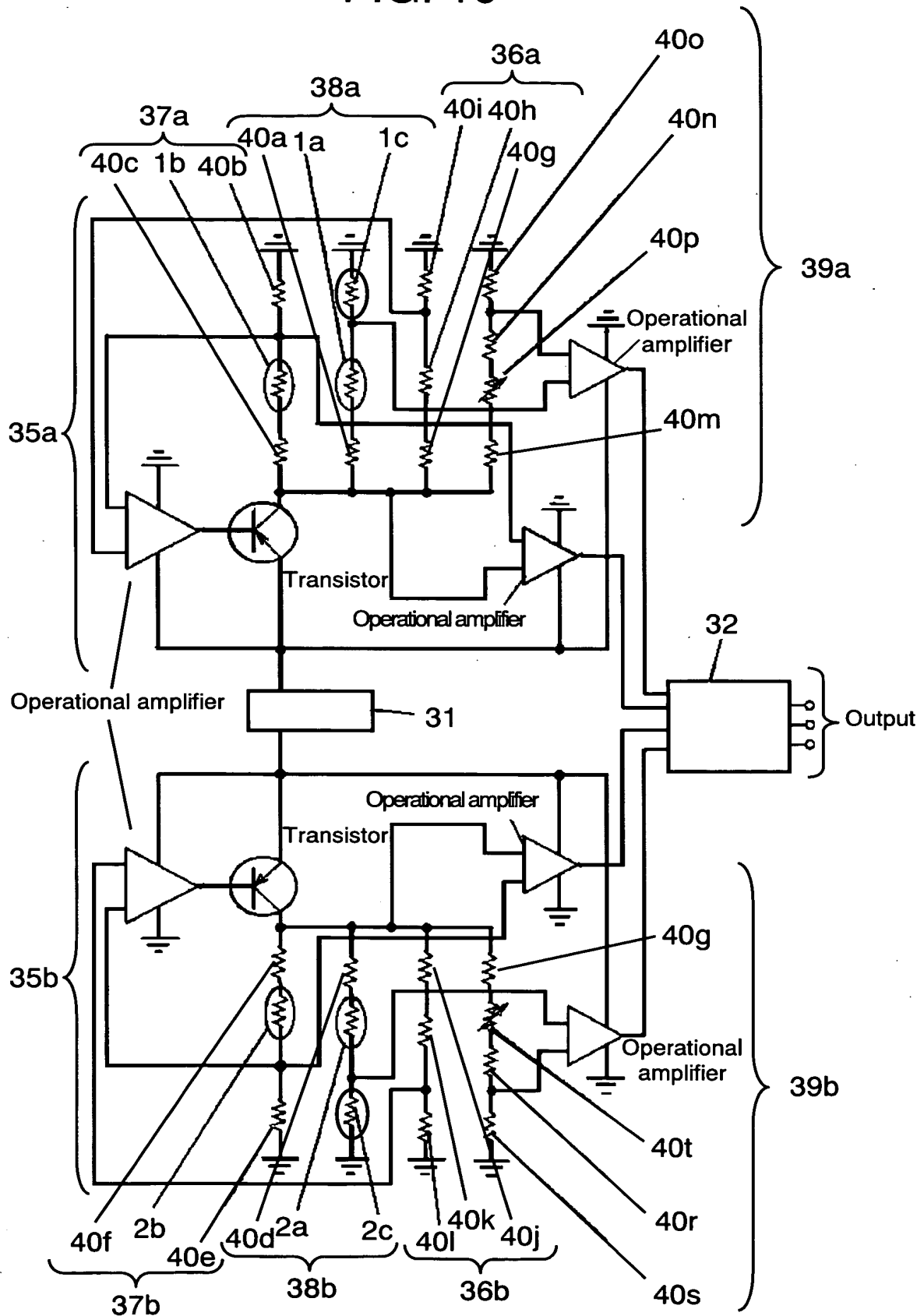


FIG. 9B



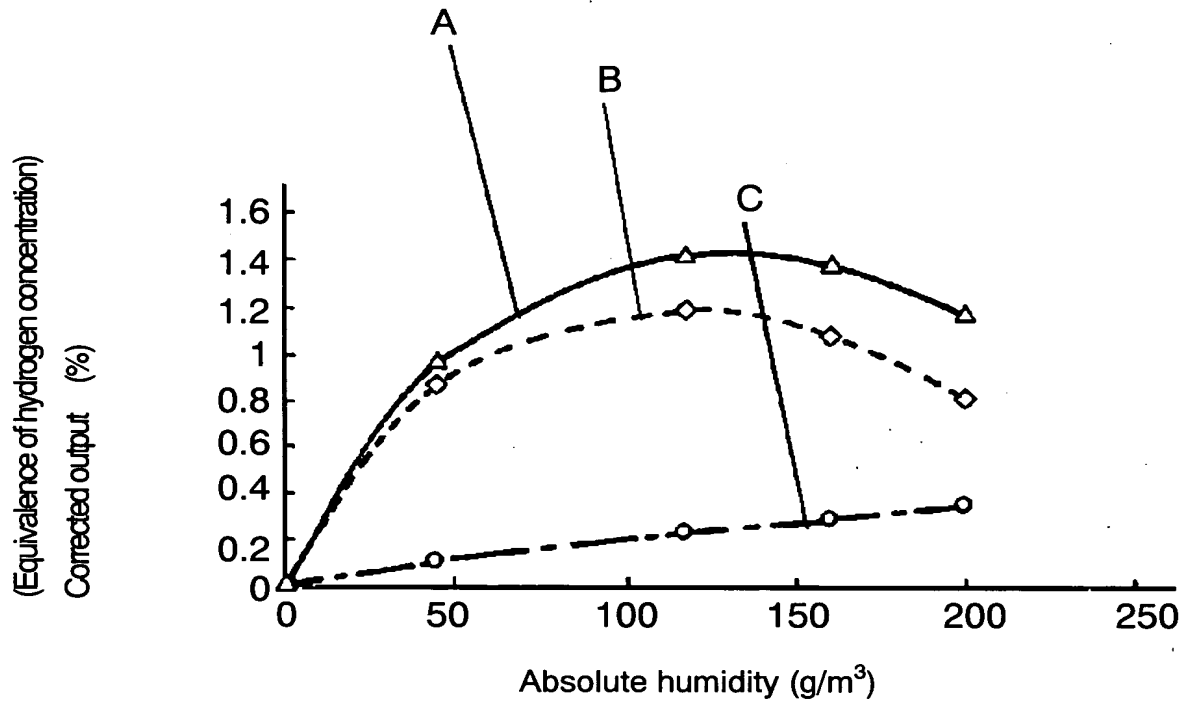
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FIG. 10



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FIG. 11



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FIG. 12A

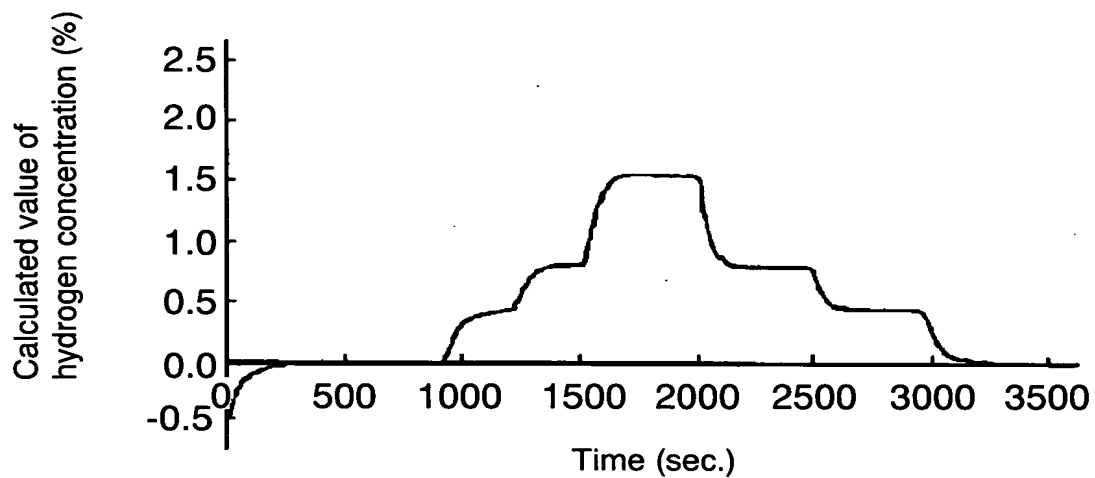
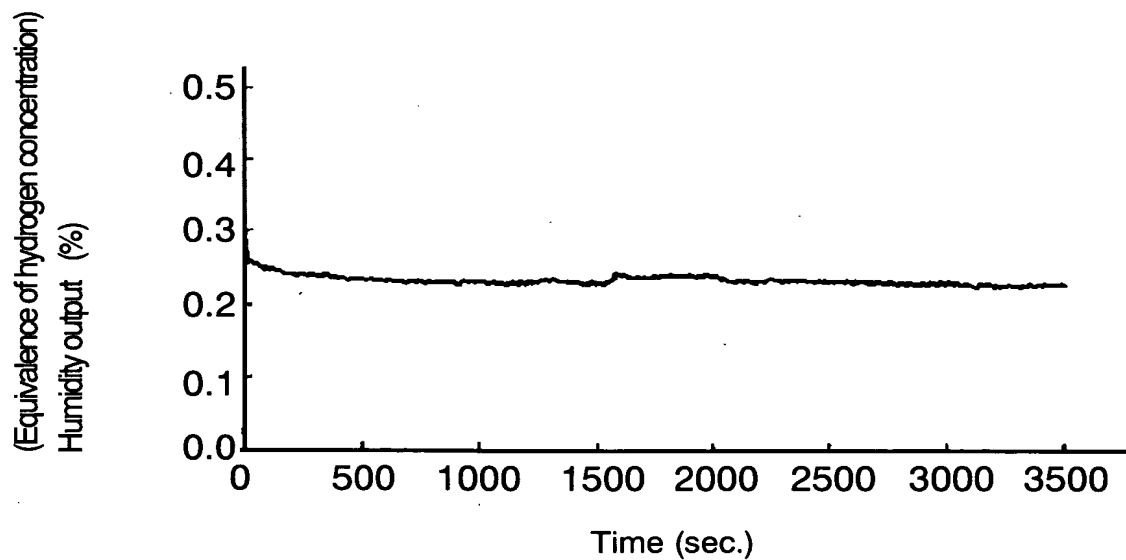


FIG. 12B



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Reference Marks in the Drawings

- 1a High-temp exothermic gas sensor element
- 1b High-temp exothermic temperature sensor element
- 1c Second high-temp exothermic temperature sensor element
- 2a Low-temp exothermic gas sensor element
- 2b Low-temp exothermic temperature sensor element
- 2c Second low-temp exothermic temperature sensor element
- 4 Thermistor element
- 5 Electrode
- 6 Lead wire
- 7 Glass layer
- 8 Thermistor
- 9 Base
- 10 Pin
- 11a Perforated casing
- 11b Unperforated casing
- 15 Circuit board
- 16 Container
- 17 Gas intake opening
- 18 Filter
- 23 Conductor cable
- 24 Container cover
- 25 Moisture resistant resin
- 26 Screw
- 27 Pipe
- 28 Mounting hole
- 29a – 29j, 29l and 29m Fixed resistor
- 29k, 29n Variable resistor
- 31 DC power source
- 32 Microcomputer
- 33 Heat conductive plate
- 34 Heater
- 35a High-temp exothermic detector unit
- 35b Low-temp exothermic detector unit
- 36a, 36b Element resistance regulating circuit
- 37a, 37b Ambient temperature detecting circuit

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38a, 38b Gas detecting circuit

39a, 39b Reference voltage circuit

40a – 40o, 40q – 40s Fixed resistor

40p, 40t Variable resistor